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Derwent Title: **Solid state polymer fuel battery - has ion exchange membrane of specific thickness with reinforcement film provided on one side with shape of catalyst layer**

Original Title: ☒ **JP10154521A2: SOLID HIGH POLYMER TYPE FUEL CELL**

Assignee: **MATSUSHITA DENKI SANGYO KK** Standard company
Other publications from [MATSUSHITA DENKI SANGYO KK \(MATU\)...](#)

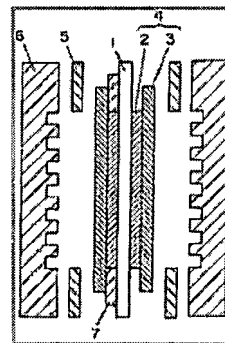
Inventor: **EDA N; FUKUOKA Y; SUGAWARA Y; UCHIDA M;**

Accession/Update: **1998-383035 / 200652**

IPC Code: **H01M 8/02 ; H01M 4/86 ; H01M 8/10 ;**

Derwent Classes: **A85; L03; X16;**

Manual Codes: **A12-E06**(Batteries, accumulators, fuel cells) , **A12-M**(Ion exchange resins, polyelectrolytes [general ion exchange resins]) , **L03-E04**(Fuel cells [general]) , **X16-C01C**(Solid polymer fuel cell) , **X16-E06A**(Fuel cell) , **X16-F02**(Separators, membranes, spacers)

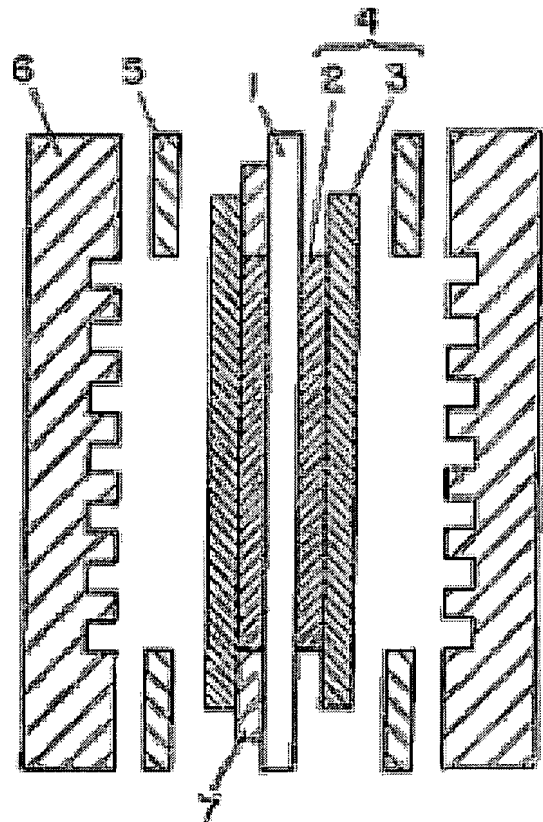


Derwent Abstract: (**JP10154521A2**) The solid state fuel battery has ion exchange membrane (1) of 50 or less μm thickness equipped with gas diffusion electrode (4). The electrode consists of a catalyst layer (2) and a diffusion layer (3) which are provided on both sides of membrane. A reinforcement film (7) which has the shape of the catalyst layer is provided on one surface side of the membrane, with a window corresponding to the electrodes.

Advantage - Prevents rupture of ion exchange membrane during battery assembly and during membrane electrode junction operation. Realises superior sealing property.

Publication Date June 9, 1998

Images:



Dwg.1/7

Family:

PDF Patent	Pub. Date	Derwent Update	Pages	Language	IPC Code
<input checked="" type="checkbox"/> JP10154521A2 *	1998-06-09	199833	7	English	H01M 8/02
Local appls.: JP1997000243802 Filed:1997-09-09 (97JP-0243802)					

JP03805495B2 =	2006-08-02	200652	11	English	H01M 8/02
Local appls.: Previous Publ. JP10154521 (JP 10154521) JP1997000243802 Filed:1997-09-09 (97JP-0243802)					

INPADOC Legal Status: None

Priority Number:

Application Number	Filed	Original Title
JP1996000251084	1996-09-24	

Extended Polymer Index: [Show extended polymer index](#)

Related Accessions:

Accession Number	Type	Derwent Update	Derwent Title
C1998-116311	C		
N1998-299844	N		
2 items found			

? Title Terms: SOLID STATE POLYMER FUEL BATTERY ION EXCHANGE MEMBRANE SPECIFIC
THICK REINFORCED FILM ONE SIDE SHAPE CATALYST LAYER

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